

Docket No.: M4065.0698/P698

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Kristy A. Campbell et al.

Application No.: 09/943,190

Filed: August 29, 2001 Art Unit: 2825

For: METHOD OF FORMING

> CHALCOGENIDE COMPRISING DEVICES, METHOD OF FORMING A PROGRAMMABLE MEMORY CELL OF

MEMORY CIRCUITRY, AND A CHALCOGENIDE COMPRISING

DEVICE (AS AMENDED)

Examiner: R. Rocchegiani

Confirmation No.: 8483

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed after the mailing date of a Final Office Action, but before payment of the Issue Fee (37 CFR 1.97(d)). Applicants hereby petition that the Supplemental Information Disclosure Statement be considered.

A copy of each reference on the PTO/SB/08 is attached.

180.00

Application No.: 09/943,190 Docket No.: M4065.0698/P698

Those patents or publications which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in a prior application number 10/736,617, filed December 17, 2003 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Director is hereby authorized to charge any

e contra

Application No.: 09/943,190 Docket No.: M4065.0698/P698

deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0698/P698.

Dated: September 15, 2004

* * CANILS *

Respectfully submitted

Thomas J. D'Amico

Registration No.: 28,371

Elizabeth Parsons

Registration No.: 52,499

DICKSTEIN SHAPIRO MORIN か

OSHINSKY LLP

2101 L Street NW

Washington, DC 20037-1526

(202) 785-9700

Attorneys for Applicants

PTO/SB/08B (10-01)
Approved for use through 10/31/2002.OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

1 of

3

Complete if Known					
09/943,190					
August 29, 2001					
Kristy A. Campbell					
2825					
R. Rocchegiani					
M4065.0698/P698					

100 to	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant				
		<u> </u>	0/40/0000	0.11	Figures Appear				
	AA	2002/0072188	6/13/2002	Gilton					
	AB	2002/0106849	08/08/2002	Moore et al.					
	AC AD	2002/0123169 2002/0123248	09/05/2002	Moore et al.	-				
<u> </u>	AE	2002/0123248	10//31/2002	Harshfield					
	AF	2002/0168852	11/14/2002	Harshfield et al.					
	AG	2002/0100832	12/19/2002	Harshfield et al.					
	AH	2003/0032254	02/13/2003	Gilton					
	AI	2003/0032234	02/27/2003	Moore	 				
	AJ	2003/0036301	03/06/2003	Gilton et al.					
	AK	2003/0045054	03/06/2003	Campbell et al.					
	AL	2003/0045054	03/13/2003	Campbell					
	AM	2003/0047765	03/13/2003	Li					
	AN	2003/0047773	03/13/2003	Li	 				
	AO	2003/0047773	03/13/2003	Kozicki					
	AP	2003/0048319	04/10/2003	Li					
	AQ	2003/0068862	04/10/2003	Li	+				
	AR	2003/0006802	05/22/2003	Hush et al.					
	AS	2003/0095426	05/22/2003	Moore et al.					
	AT	2003/0107105	06/12/2003	Kozicki	<u> </u>				
	AU	2003/0117831	06/26/2003	Hush					
	AV	2003/0128612	07/10/2003	Moore et al.					
	AW	2003/0128612	07/24/2003	Kozicki					
	AX	2003/0143782	07/31/2003	Gilton et al.					
	AY	2003/0155589	08/21/2003	Campbell et al.					
	AZ	2003/0155606	08/21/2003	Campbell et al.	-				
	AA1	2003/0156447	08/21/2003	Kozicki					
	AB1	2003/0156463	08/21/2003	Casper et al.	-				
	AC1	2003/0209728	11/13/2003	Kozicki et al					
	AD1	2003/0209720	11/13/2003	Kozicki et al	-				
	AE1	2003/0210564	11/13/2003	Kozicki et al					
	AF1	3,622,319	11/1971	Sharp					
		3,743,847	7/1973	Boland					
	AH1	4,269,935	5/1981	Masters et al.					
	AI1	4,312,938	1/1982	Drexler, et al.					
	AJ1	4,316,946	1/1982	Masters, et al.					
	AK1	4,320,191	3/1982	Yoshikawa et al.					
	AL1	4,405,710	9/1983	Balasubramanyam et al.					
		4,419,421	12/1983	Wichelhaus, et al.					
		4,499,557	2/1985	Holmberg et al.					
l		4,671,618	06/09/1987	Wu et al.					
	AP1	4,795,657	1/1989	Formigoni et al.					
l		4,800,526	01/24/1989	Lewis	<u> </u>				
		4,847,674	7/1989	Sliwa et al.					
		5,177,567	1/1993	Klersy et al.					

PTO/SB/08B (10-01)
Approved for use through 10/31/2002.OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

•	Complete if Known
Application Number	09/943,190
Filing Date	August 29, 2001
First Named Inventor	Kristy A. Campbell
Group Art Unit	2825
Examiner Name	R. Rocchegiani
Attorney Docket Number	M4065 0698/P698

<u>#</u>							IX. IXOCCITE	
Speet		2	of	3		Attorney Docket Number	M4065.06	598/P698
1600 -	AT1	5,219,788		6/1993	Aber	nathey et al.		
		5,238,862		8/1993		ck et al.		
		5,272,359		12/21/1993		subramanian et al.		
		5,314,772		5/24/1994	Kozio			
		5,315,131		5/1994		moto et al.		
		5,350,484		9/1994		ner et al.		
		5,360,981		11/1994	Owe	n et al.		
	AA2	5,500,532		3/19/1996	Kozio	ki et al.		
		5,512,328		4/1996	Yosh	imura et al.		
	AC2	5,512,773	, .	4/1996	Wolf	et al.		
		5,726,083		3/1998	Taka			
		5,751,012		5/12/1998		tenholme et al.		
		5,761,115		6/1998		ki et al.		
		5,789,277		8/1998		rik et al.		
		5,841,150		11/1998		alez et al.		
		5,846,889		12/1998		son et al.		
		5,896,312		4/20/1999		ki et al.		
		5,914,893		6/22/1999_		ki et al.		
		5,920,788		7/1999	Reinl			
		5,998,066		12/1999		et al.		
		6,072,716		06/06/2000		oson et al.		
		6,077,729		6/2000	Hars			-
		6,084,796		7/4/2000		ki et al.		
		6,177,338		1/2001	Liaw			
		6,117,720 6,143,604		9/2000		Harshfield Chiang et al.		
		6,236,059		5/2001		teinholme et al.		· ·
		6,297,170		10/2001		iel et al.		
		6,300,684		10/2001		alez et al.	·	
		6,316,784		11/2001		rik et al.		
		6,329,606		12/2001		nan et al.		
		6,348,365		2/19/2002		e et al.		
		6,350,679		2/2002		aniel et al.		
		6,376,284		4/2002		alez et al.		
		6,388,324		5/14/2002		ki et al.		
		6,391,688		5/2002		alez et al.		
		6,414,376		7/2002	Thak	ur et al.		
		6,418,049		7/9/2002		ki et al.	·	
	AF3	6,423,628		7/2002	Li et			
	AG3	6,469,364		10/2002	Kozio			
		6,473,332		10/2002		iev et al.		
		6,487,106			Kozio			
		2004/003848		02/2004		e et al.		
		2004/004225		03/2004	Campbell et al.			
		2004/005346	31	03/2004	Moore et al.			
		4,115,872		09/1978	Bluhm			
		4,177,475		12/1979	Holmberg			
		4,203,123		05/1980	Shan			
		4,653,024		03/1987		g et al.		
L*	* AQ3	5,363,329		11/1994	Troya	an		

PTO/SB/08B (10-01)

Approved for use through 10/31/2002.OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

3

Complete if Known Application Number 09/943,190 Filing Date August 29, 2001 First Named Inventor Kristy A. Campbell 2825 Group Art Unit R. Rocchegiani Examiner Name Attorney Docket Number M4065.0698/P698

FOREIGN PATENT DOCUMENTS							
i	C:4-	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant		
Examiner Initials*	Cite No. ¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	144 00 1000	Applicant of Cited Document	Passages or Relevant Figures Appear	T ⁶	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
 Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²				

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.